

The process approach in a development of industrial company

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Abstract

© Medwell Journals, 2017. The study is devoted to historical and methodological issues of application of the process approach in the practice of industrial enterprises. It is concluded that the development of industrial production and the increasing complexity of consumer preferences, evolving tools and process approach, from the division of labor in the sequence of manufacturing operations to the build process in the form of networking-based infrastructure platform. The process approach is the most important sign of improved management of not only individual institutions but also their associations. The process is called a set of interrelated or interacting activities which transforms Inputs into Outputs (ISO). The yield of the process (product) is of value for the consumer. When people talk about the process approach is meant primarily that the management of the process and each of the works included in it (activity subprocess, the process of a second or subsequent levels or function) takes place with the use of special instructional techniques, fairly well developed and avoids many error. Thus, scientists have presented three basic value creation process. The first-a chain of value creation which is strictly a serial production process of creating a specific product. Sustainable advantage of the value chain is achieved through constant monitoring of these parameters, reduction of all types of costs, improve business processes and increase production quality. An important criterion for the chain-is effective. Workshop of value creation aimed at solving consumer problems which causes non-linearity of the production process and presenting it as a set of specific projects. It becomes an important degree of uniqueness of the problems to be solved and which determines the market size and the size of the value created and the level of qualification of the personnel. Value creation chain is considered as a process of creating infrastructure, uniting consumers wishing to be temporarily interdependent while remaining generally independent and separated in space and time. In this case, there are two production processes: the process of creating and maintaining infrastructure and multiple processes of the same type of interaction of users with each other. A key feature of the network of value creation - the maximum operating efficiency of existing infrastructure and increase the value of its customer base both for the participants and for third parties. With the development of the economic environment of the organization functioning, use of computer technologies in production processes is changing the organization of the process itself: from a linear sequential set of activities goes into the organization's unique network of interactions. In the late 60's process approach found its application in the description of the design and modeling stages primarily software. A number of developed tools based process approach: SADT (Structured Analysis and Design Technique)-technology of structural analysis and design; WFD (Work Flow Diagram)-workflow diagrams; DFD (Data Flow Diagram)-diagrams of data streams; ERD (Entity Relation Diagram)-diagram "entity-relationship"; STD (State Transition Diagrams)-state transition diagram. These tools allow to visually represent various processes (workflow, information and resource flows) in the form of graphic models

made it possible to optimize processes in order to reduce the development cycle. With the introduction of the process approach in the industrial activity of the enterprise it is important to adhere to the following principles: the principle of the relationship process-reveals the interconnectedness not only stages of the process but also the network of processes in a controlled process. The principle of demand process-takes into account the relevance of the process and its individual stages and phases and focus on a particular demanded result. The principle of documenting processes-allows to standardize the process to get a basis for changes and further development of the process as an information bank documented analytical data; the principle of process control-defines the process boundaries, its timing and the planned key performance indicators. The principle of responsibility for the process-uses a variety of specialists and staff and delineates areas of responsibility for the process and its results. Thus, the process approach is one of the tools of production activities is not only an individual of any enterprise but some entities including cluster. Using a process approach in the planning and organization of production affects the formation of the market paradigm and application of scientific approaches, forming a new type of production and the level of development of production tools.

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